ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A

PORTION OF THE SOUTH BOUNDARY OF

THE GILA RIVER INDIAN RESERVATION

AND

A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTIONS 16 AND 17

TOWNSHIP 5 SOUTH, RANGE 5 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated October 30, 2015, approved October 30, 2015, which provided for the surveys included under Group No. 1149, and assignment instructions dated October 30, 2015.

Survey commenced November 2, 2015 Survey completed November 10, 2015

INDEX DIAGRAM

TOWNSHIP 5 SOUTH RANGE 5 EAST GILA & SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7 South E	8 Coundary G	9 Sila Rive	10 r Indi	11 an Res	12 ervation
18	5 17	4 7 16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary of the Gila River Indian Reservation and a portion of the subdivisional lines, and the subdivision of sections 16 and 17, Township 5 South, Range 5 East, Gila and Salt River Meridian, Arizona.

Lot number 4, section 16 and the northeast 1/4 of section 17, public domain lands are being offered for sale.

The history pertaining to this survey is as follows: George P. Ingalls, Deputy Surveyor, in 1868 surveyed a portion of the subdivisional lines. An executive order issued on November 15, 1883, granted sections 1 thru 12 inclusive, as an addition to the Gila River Indian Reservation. In 1911, U.S. Deputy Surveyors Guy P. Harrington and Robert A. Farmer, under the direction of Indian Surveys, surveyed a portion and resurveyed a portion of South boundary of the Gila River Indian Reservation. In 1919, Guy P. Harrington, Cadastral Engineer, under the direction of the General Land Office, independently resurveyed the south boundary of the Gila Indian Reservation, rendering the 1911, survey and resurvey null and void. Horace G. Parker, Cadastral Surveyor in 1958, resurveyed a portion of the subdivisional lines, and established the 1/4 section cor. of minimal control on the north boundary of section 16.

The survey was executed in accordance with the specifications as set forth in the <u>Manual of Instructions for the Survey of the Public Lands of the United States, 2009</u>, and the Special Instructions dated October 30, 2015, for Group Number 1149, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AZUP USERY MOUNTAIN PK CORS ARP, AZST SAN TAN PARK CORS ARP and AZMP MARICOPA CORS ARP.

The NAD 83(2011)(EPOCH:2010.0000), geographic position of the 1/4 section corner of sections 15 and 16 is as follows:

Latitude: 32°59'20.533" N. Longitude: 111°50'36.275" W.

T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

The NAD 83(2011)(EPOCH:2010.0000), geographic position of the 1/4 section corner of sections 17 and 20 is as follows:

Latitude: 32°58'54.301" N. Longitude: 111°52'09.252" W.

The mean magnetic declination is 10 1/2° E.

Dependent Resurvey of a Portion of the South Boundary of the Gila River Indian Reservation, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by Guy P. Harrington, in 1919

Beginning at the true point for the 1/4 sec. cor. of sec. 9 only, calculated at record bearing and dist. from the 1919 witness cor. True point falls in bed of wash, where it is impracticable to establish a permanent monument.

from which the 1919 witness cor.

An iron post, 1 ins. diam., bears N. 0°02' W., 1.30 chs. dist., firmly set, projecting 18 ins. above ground, in a mound of stone, 2 ft. base, 1 ft. high, with brass cap mkd. GRIR 1/4 S9 WC 1911. Add the marks 2015 to the brass cap.

Note: The 1919 field note record, indicates that the rejected 1911 monuments were reutilized, and the dates were not amended.

N. 89°54' W., on the S. bdy. of the Gila River Indian Reservation., identical with the S. bdy. of sec. 9.

Descending, over the WSW facing slopes of the Sacaton Mountains, in and along a barbed wire fence.

Through palo verde, ironwood and saguaro timber.

The N. 1/4 sec. cor. of sec. 16 only, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. GRIR 1/4 S16 T5S R5E 1958, with a mound of stone 2 1/2 ft. base, 1 ft. high to the S.

Add the marks 2015 to the brass cap.

Cor. is located beneath a barbed wire fence, bears E. and W.

S. 89°55' W., beginning new measurement, bet. secs. 9 and 16.

Dependent Resurvey of a Portion of the South Boundary of the Gila River Indian Reservation,

	of the Gila River Indian Reservation, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona
CHAINS	
19.90	The W. 1/16 sec. cor. of sec. 16 only, monumented with a rebar, 18 ins. long, 1/2 in. diam., set, 16 ins. in the ground, with attached 1 1/2 in. diam. aluminum cap, stamped RLS 22759. Established by J. Leonard Fontes, Arizona R.L.S. No. 22759, in 2000 and recorded in the Pinal County Recorders Office in Cabinet C, Slide 163. Accepted as a careful and faithful establishment of the cor. position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock ,in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T 5 S R 5 E
	W 1/16 —— S 16
	2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Place the rebar inside the stainless steel post.
	Cor. is located within a barbed wire fence, bears E. and W.
	S. 89°59' W., beginning new measurement.
8.35	The cor. of secs. 8 and 9 only, monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. GRIR S8 S9 T5S R5E 1911.
	Add the marks 2015 to the brass cap.
	Cor. is located beneath a barbed wire fence, bears E. and W.
	S. 89°54' W., on the S. bdy. of the Gila River Indian Reservation., identical with the S. bdy. of sec. 8.
	In and along a barbed wire fence, descending over rolling land.
	Through palo verde, ironwood and saguaro timber.
11.55	The closing cor. of secs. 16 and 17, on the S. bdy. of the Gila River Indian Reservation, hereinafter described.
	S. 89°55' W., beginning new measurement, bet. secs. 8 and 17.

Dependent Resurvey of a Portion of the South Boundary of the Gila River Indian Reservation,

T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CI	ΗA	IJ	N	S

28.56

The 1/4 section cor. of section 8 only, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. GRIR 1/4 S8 1911.

from which

A forked ironwood, 16 ins. diam. at base, bears N. 1/2° W., 213 lks. dist., no marks visible. (Rec. 215 lks.)

Add the marks 2015 to the brass cap.

Cor. is located beneath a barbed wire fence, bears E. and W.

S. 89°52' W., beginning new measurement, bet. secs. 8 and 17.

11.68

The N. 1/4 sec. cor. of sec. 17 only, reestablished by Albert J. Wolf, Arizona R.L.S. No. 986, in 1960, as recorded in the Pinal County Recorders Office in Book 10 of Plats at page 4. Cor. has been perpetuated by Randy Delbridge, Arizona R.L.S. No. 18214, as per conversation on Feb. 3, 2016, date perpetuated uncertain, monument was not recorded, occupied with a rebar, 18 ins. long, 1/2 in. diam., set 16 ins. in the ground, with attached 1 1/2 ins. diam., aluminum cap stamped DELBRIDGE RLS 18214. Accepted as a faithful reestablishment of the Wolf cor. position.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.

T 5 S R 5 E

1/4 S 17

2015

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Place the rebar inside the stainless steel post.

Cor. is located on the E. side of a fence corner beneath a barbed wire fence, bearing E. and W., and a downed barbed wire fence bearing S. $\,$

S. 89°56' W., beginning new measurement, bet. secs. 8 and 17.

Dependent Resurvey of a Portion of the South Boundary of the Gila River Indian Reservation,

T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

28.43 The cor. of secs. 7 and 8 only, monumented with an iron post,

1 in. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. GRIR S7 S8 R5S T5E 1911.

Add the marks 2015 to the brass cap.

Cor. is located within a barbed wire fence, bears E. and W.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

> Restoring the resurvey executed by Horace G. Parker, in 1958

From the 1/4 sec. cor. of secs. 16 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. TSS R5E 1/4 S16 S17 1958.

Add the marks 2015 to the brass cap.

Cor. located at a fence corner with barbed wire fence bearing irregularly N. and S, and dilapidated fence bearing E.

N. 0°09' E., bet. secs, 16 and 17, ascending over gently rolling land.

Through palo verde, ironwood and saguaro timber.

19.99 The N. 1/16 sec. cor. of secs. 16 and 17, monumented with a rebar, 18 ins. long, 1/2 in. diam., set, 16 ins. in the ground, with attached 1 1/2 in. diam. aluminum cap, stamped RLS 22759. Established by J. Leonard Fontes, Arizona R.L.S. No. 22759, in 2000 and recorded in the Pinal County Recorders Office in cabinet C, slide 163. Accepted as a careful and faithful establishment of the cor. position.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T 5 S R 5 E

N 1/16 S 18 | S 17

2015

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

Place the rebar inside the stainless steel post.

Cor. is located 1 lk. W. of a barbed wire fence, bears irregularly N. and S.

N. 0°09' E., beginning new measurement.

19.95

The closing cor. of secs. 16 and 17 only, on the S. bdy of the Gila River Indian Reservation, monumented with an iron post, firmly set, projecting 11 ins. above ground, with brass cap mkd. GRIR S8 S17 S16 T5S R5E 1958.

Add the marks 2015 to the brass cap.

Cor. located at intersection of fences, with barbed wire fences bearing E., W., and irregularly S.

Subdivision of Section 16, T. 5 N., R. 5 E., Gila and Salt River Meridian, Arizona

From the 1/4 sec. cor. of secs. 16 and 21, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd, T5S R5E S16 1/4 S21 1958.

Add the marks 2015 to the brass cap.

Cor. located in a downed barbed wire fence, on E. side of a track road, both extend N. and S.

N. 0°04' E., on the N. and S. center line of sec. 16.

Over nearly level land, through creosote, palo verde, ironwood and saguaro.

20.02

The center S. 1/16 sec. cor. of sec. 16, monumented with a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, with attached 1 1/2 in. diam. aluminum cap, stamped LS 7141. Established by Gordon McLain, Arizona R.L.S. No. 7141, date unknown. Accepted as a careful and faithful establishment of the cor. position, within patented lands, not remonumented.

N. 0°04' E., beginning new measurement.

Subdivision of Section 16,
T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

	1. 5 S., R. 5 E., Gila and Sait River meridian, Arizona			
CHAINS				
20.01	The center 1/4 sec. cor. of sec. 16, at intersection with the E. and W. center line of sec. 16, monumented with a rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, with attached, damaged and unreadable plastic cap, established by person(s) unknown. Accepted as a careful and faithful establishment of the cor. position, within patented lands, not remonumented.			
	N. 0°04' E., beginning new measurement.			
19.99	Point for the center N. 1/16 sec. cor. of sec. 16, within patented lands, not monumented.			
39.90	The N. 1/4 sec. cor. of sec. 16, on the S. bdy. of the Gila River Indian Reservation, hereinbefore described.			
	From the 1/4 sec. cor. of secs. 15 and 16, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd, T5S R5E 1/4 S16 S15 1958.			
	Add the marks 2015 to the brass cap.			
	Raise a mound of stone, 3 ft. base, to top, around the iron post.			
	S. 89°52' W., on the E. and W. center line of sec. 16.			
	Over nearly level land, through creosote, palo verde, ironwood and saguaro.			
39.90	The center 1/4 section cor. of section 16.			
59.825	Point for the center W. 1/16 sec. cor. of section 16, within patented lands, not monumented.			
79.75	The 1/4 sec. cor. of secs. 16 and 17, hereinbefore described.			
	NW 1/4			
	From the point for the center W. 1/16 sec. cor. of sec. 16.			
	N. 0°07' E., on the N. and S. center line of the NW 1/4 of sec. 16.			

Subdivision of Section 16, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

	T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona			
CHAINS				
19.99	The NW 1/16 sec. cor. of sec. 16, at intersection with the E. and W. center line of the NW 1/4 of sec. 16, monumented with a rebar, 18 ins. long, 1/2 in. diam., set, 14 ins. in the ground, with attached 1 1/2 in. diam. aluminum cap, stamped RLS 22759. Established by J. Leonard Fontes, Arizona R.L.S. No. 22759, in 2000 and recorded in the Pinal County Recorders Office in Cabinet C, Slide 163. Accepted as a careful and faithful establishment of the cor. position.			
	At the corner point			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 17 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.			
	T 5 S R 5 E			
	NW 1/16 S 16			
	2015			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
	Place the rebar inside the stainless steel post.			
	Cor. is located within a barbed wire fence, bears E. and W.			
	N. 0°07' E., beginning new measurement.			
19.93	The W. 1/16 sec. cor. of sec. 16 only, on the N. bdy. of sec. 16 and the S. bdy. of the Gila River Indian Reservation., identical with the S. bdy. of sec. 9, hereinbefore described.			
	From the point for the center N. 1/16 sec. cor. of sec. 16.			
	S. 89°52' W., on the E. and W. center line of the NW 1/4 of sec. 16.			
19.91	The NW 1/16 sec. cor. of sec. 16.			
39.82	The N. 1/16 sec. cor. of secs. 16 and 17, hereinbefore described.			

Subdivision of Section 17, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

From the 1/4 sec. cor. of secs. 17 and 20, monumented with a rebar, 1/2 in. diam., set 14 ins. below the surface of Trading Post Road. The original 1/4 cor. was reestablished with a 1/2 in. pipe by Albert J. Wolf, Arizona R.L.S. No. 986, in 1960, as recorded in the Pinal County Recorder's Office in Book 10 of Plats, at page 4, and subsequently perpetuated by person(s) unknown. This corner is harmoniously related to other 1960 Wolf corners and has long been accepted by local surveyors. Accepted as the best available evidence of the 1960 Wolf cor. position.

Cor. is located beneath the surface of Trading Post Road, (graded, 20 ft. wide, extends E. and W.), a 1 1/2 in. diam., aluminum cap, stamped DELBRIDGE RLS 18214, was found lying loose alongside the rebar, reattach the aluminum cap to the rebar, as per conversation on Feb. 3, 2016, Delbridge attached his cap to the existing rebar. Cor. is within patented lands, and is not remonumented.

N. 0°05' E., on the N. and S. center line of sec. 17.

Over nearly level land, through creosote, palo verde, ironwood and saguaro.

39.94

The center 1/4 sec. cor. of sec. 17, at intersection with the E. and W. center line of sec. 17, verified by the rusted fragments of the monument established by Albert J. Wolf, Arizona R.L.S. No. 986, in 1960, as recorded in the Pinal County Recorders Office in Book 10 of Plats at page 4. This is accepted as a careful and faithful establishment of the cor. position.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T 5 S R 5 E C 1/4 S 17

2016

Deposit a magnet, in a white plastic case, at the base of the stainless steel post, and set a steel fence post alongside the cor.

Cor. is located in graded area, 21 ft. wide, bearing irregularly ${\tt N.}$ and ${\tt S.}$

N. 0°05' E., beginning new measurement.

4.99

From this point, the easterly terminus of barbed wire fence, extending W., bears W., 1.6 lks. dist.

Subdivision of Section 17, T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

	T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona				
CHAINS					
9.98	A rebar, 1/2 in. diam., firmly set, projecting 4 ins. above ground, located 1.3 lks. E. of a fence cor., with barbed wire fences extending N. and W.				
19.11	From this point, a fence cor. bears W. 16 lks. dist., with barbed wire fences extending S. and W.				
29.97	From this point, a fence cor. bears W. 4.5 lks. dist., with barbed wire fences extending N. and W.				
39.92	The N. 1/4 sec. cor. of sec. 17, hereinbefore described. From the 1/4 sec. cor. of secs. 16 and 17, hereinbefore described.				
	S. 89°57' W., on the E. and W. center line of sec. 17.				
	Over nearly level land, through creosote, palo verde, ironwood and saguaro.				
40.195	The center 1/4 sec. cor. of sec. 17.				
80.38	The 1/4 sec. cor. of secs. 17 and 18, monumented with a rebar, 1/2 in. diam., set 7 ins. below the surface, with attached 1 1/2 ins. diam., aluminum cap stamped DELBRIDGE RLS 18214. The original 1/4 sec. cor. was reestablished with an iron pipe by C.H. Robertson, Arizona R.L.S. No. 772, in 1959, as recorded in the Pinal County Recorders Office in book 9 of plats at page 34, and subsequently perpetuated by Randy Delbridge, Arizona R.L.S. No. 18214, date unknown, Accepted as a careful and faithful reestablishment of the 1959 Robertson cor. position. Cor. is within patented lands, and is not remonumented.				
	From this cor. point a rebar, 1/2 in. diam., set 4 ins. below the surface, with attached 2 in. diam., aluminum cap stamped HANSEN ENGINEERING 520-723-3261 18 17 RLS 37512, bears S. 32 1/4° W., 0.7 lks. dist.				
	Cor. is located beneath the surface of Papoose Road, (graded, extends N. and S.), 18 ft. E. of the W. edge.				
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T. 5 S., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed and resurveyed is within and adjacent to the foothills of the Sacaton Mountains, about 6 miles WNW of the Casa Grande Municipal Airport, in Pinal County. Access is provided by way of the Maricopa-Casa Grande Highway, Val Vista Road, and county roads.

The soil and vegetation is typical of central Arizona, lower Sonoran Desert, with elevation ranging from approximately 1400 to 1600 feet, NAVD88.

Section 16, the NE 1/4 and the S. 1/2 of section 17 are used primarily as grazing lands. Indian Valley Ranchettes No. 2, a platted subdivision, occupies the NW 1/4 of section 17.

The mean magnetic declination of 10 1/2° E. was derived from the National Oceanic and Atmospheric Administration, Magnetic Field Calculator, utilizing the World Magnetic Model for Epoch 2015 for the dates of survey.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig S. Dukart	Land Surveyor
**	
"	
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CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 30th day of October, 2015, I have dependently resurveyed a portion of the south boundary of the Gila River Indian Reservation and a portion of the subdivisional lines, and subdivided sections 16 and 17, Township 5 South, Range 5 East, of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

VAN. 5, 2017 (Date) MR Rule (Cadastral Surveyor)	
CERTIFICATE OF APPROVAL	
BUREAU OF LAND MANAGEMENT	
Phoenix, Arizona	
The foregoing field notes of the dependent resurvey of a portion of the soundary of the Gila River Indian Reservation and a portion of subdivision lines, and the subdivision of sections 16 and 17, Town South, Range 5 East, Gila and Salt River Meridian, in the State of Ariz xecuted by Gordon R. Bubel, Cadastral Surveyor, having been critic xamined and found correct, are hereby approved.	the nship zona,
1/27/2017 (Chief Cadastral Surveyor of Arizo	
CERTIFICATE OF TRANSCRIPT	
CERTIFY That the foregoing transcript of the field notes of the a escribed surveys in Township 5 North, Range 5 East, Gila and Salt B	

-(Chief Cadastral Surveyor of Arizona)

Meridian, Arizona, is a true copy of the original field notes.